Table CT3. Total End-Use Energy Consumption Estimates, Selected Years, 1960-2016, Kentucky

Year	Coal	Natural Gas [a]	Petroleum							Hydro-electric Power [f,g]	Biomass		Geo-thermal [g]	Solar [g,j]	Retail Electricity Sales	Net Energy [g,k]	Electrical System Energy Losses [l]	Total [g,k]
			Distillate Fuel Oil	HGL [b]	Jet Fuel [c]	Motor Gasoline [d]	Residual Fuel Oil	Other [e]	Total		Wood and Waste [g,h]	Losses and Co-products [i]						
	Thousand Short Tons	Billion Cubic Feet	Thousand Barrels							Million Kilowatt-hours					Million Kilowatt-hours			
1960	4,545	146	4,849	4,152	497	21,535	328	6,457	37,817	0	– –	– –	– –	– –	28,168	– –	– –	– –
1970	4,860	240	8,208	9,564	3,089	33,581	942	12,337	67,721	0	– –	– –	– –	– –	31,038	– –	– –	– –
1980	3,345	200	22,679	10,223	2,897	39,829	1,012	13,335	89,976	0	– –	– –	– –	– –	49,787	– –	– –	– –
1990	3,582	184	24,014	6,154	5,713	43,040	537	12,576	92,034	0	– –	– –	– –	– –	61,097	– –	– –	– –
2000	2,405	221	29,331	9,959	6,651	48,912	90	15,397	110,339	0	– –	– –	– –	– –	78,316	– –	– –	– –
2001	2,602	205	30,496	9,928	6,001	51,268	143	18,565	116,401	0	– –	– –	– –	– –	79,975	– –	– –	– –
2002	2,315	214	33,485	10,917	6,353	50,827	94	17,650	119,326	0	– –	– –	– –	– –	87,267	– –	– –	– –
2003	2,306	220	26,403	8,830	8,046	52,702	123	17,580	113,683	0	– –	– –	– –	– –	85,220	– –	– –	– –
2004	2,532	221	30,031	9,621	9,042	55,268	64	19,883	123,910	0	– –	– –	– –	– –	86,521	– –	– –	– –
2005	2,529	217	31,196	9,977	8,284	53,899	140	20,140	123,635	0	– –	– –	– –	– –	89,351	– –	– –	– –
2006	2,497	199	32,584	9,754	7,105	53,898	118	21,305	124,763	0	– –	– –	– –	– –	88,743	– –	– –	– –
2007	2,607	210	33,240	9,841	7,979	54,131	103	19,986	125,280	0	– –	– –	– –	– –	92,404	– –	– –	– –
2008	2,266	216	30,802	9,899	7,425	51,934	(s)	18,216	118,276	0	– –	– –	– –	– –	93,428	– –	– –	– –
2009	1,721	198	28,753	8,602	9,844	53,289	70	18,770	119,327	0	– –	– –	– –	– –	88,897	– –	– –	– –
2010	1,979	213	29,234	11,477	10,334	53,002	56	R 14,384	R 118,486	0	– –	– –	– –	– –	93,569	– –	– –	– –
2011	1,879	207	30,980	11,468	9,935	51,262	0	R 12,822	R 116,467	0	– –	– –	– –	– –	89,538	– –	– –	– –
2012	1,150	195	28,431	10,729	9,000	50,604	39	R 14,823	R 113,627	0	– –	– –	– –	– –	89,048	– –	– –	– –
2013	1,088	215	28,066	8,239	8,561	50,575	31	R 12,231	R 107,704	0	– –	– –	– –	– –	84,764	– –	– –	– –
2014	1,048	229	27,994	10,638	9,368	50,119	25	R 13,074	R 111,218	0	– –	– –	– –	– –	78,839	– –	– –	– –
2015	1,011	R 219	26,842	11,024	10,829	R 51,823	15	R 14,065	R 114,598	0	– –	– –	– –	– –	76,039	– –	– –	– –
2016	796	210	26,875	9,473	11,996	53,096	6	13,049	114,496	0	– –	– –	– –	– –	74,554	– –	– –	– –
			Trillion Btu															
1960	115.2	151.4	28.2	16.7	2.7	113.1	2.1	38.4	201.3	0.0	22.4	NA	NA	NA	96.1	586.5	237.7	824.2
1970	118.5	243.6	47.8	36.1	17.4	176.4	5.9	73.7	357.3	0.0	23.7	NA	NA	NA	105.9	849.0	256.2	1,105.2
1980	82.9	202.2	132.1	37.6	16.3	209.2	6.4	78.9	480.5	0.0	25.3	NA	NA	NA	169.9	960.7	408.1	1,368.8
1990	90.8	191.4	139.9	22.5	32.3	226.1	3.4	76.6	500.8	0.0	17.4	0.0	0.2	(s)	208.5	1,011.9	450.9	1,462.8
2000	64.6	229.9	170.7	36.2	37.7	255.0	0.6	94.2	594.4	0.0	11.7	0.0	0.6	(s)	267.2	1,168.5	598.9	1,767.4
2001	69.0	212.2	177.5	35.8	34.0	267.3	0.9	113.0	628.5	0.0	12.7	0.0	0.7	(s)	272.9	1,195.9	602.0	1,797.9
2002	62.0	222.1	194.8	39.4	36.0	264.9	0.6	107.6	643.3	0.0	21.2	0.0	0.7	(s)	297.8	1,247.1	702.1	1,949.2
2003	61.1	227.7	153.6	32.2	45.6	274.2	0.8	107.4	613.9	0.0	24.6	0.0	1.0	(s)	290.8	1,219.0	663.8	1,882.8
2004	67.0	228.4	174.7	35.0	51.3	287.5	0.4	118.5	667.3	0.0	25.6	1.5	1.1	(s)	295.2	1,286.1	670.7	1,956.8
2005	65.4	223.1	181.5	36.2	47.0	280.2	0.9	120.5	666.2	0.0	31.8	1.4	1.2	(s)	304.9	1,294.0	689.6	1,983.6
2006	64.8	204.5	189.1	35.3	40.3	279.8	0.7	126.7	671.9	0.0	29.4	1.7	1.4	(s)	302.8	1,276.5	697.7	1,974.1
2007	67.0	216.1	192.3	35.4	45.2	279.0	0.7	119.2	671.8	0.0	31.3	2.0	1.6	(s)	315.3	1,305.1	739.4	2,044.6
2008	59.1	223.4	178.0	35.7	42.1	266.2	(s)	108.1	630.2	0.0	31.0	1.9	1.9	(s)	318.8	1,266.3	742.9	2,009.2
2009	44.7	205.7	166.2	30.9	55.8	271.8	0.4	111.6	636.8	0.0	29.5	1.9	2.3	0.1	303.3	1,224.3	706.7	1,931.0
2010	51.4	219.3	168.9	44.0	58.6	269.1	0.4	R 86.7	R 627.7	0.0	R 33.3	2.0	2.5	0.1	319.3	R 1,255.6	735.1	R 1,990.7
2011	49.0	213.2	178.9	44.0	56.3	259.8	0.0	R 77.8	R 616.8	0.0	R 34.1	2.0	2.7	0.1	305.5	R 1,223.4	694.1	R 1,917.5
2012	29.9	200.8	164.1	41.2	51.0	256.2	0.2	90.0	R 602.7	0.0	R 31.2	1.8	2.7	0.1	303.8	R 1,173.2	706.5	R 1,879.7
2013	28.2	220.8	161.9	31.3	48.5	256.0	0.2	R 74.1	R 572.1	0.0	R 37.2	1.9	2.7	0.2	289.2	R 1,152.3	672.0	R 1,824.2
2014	27.1	234.7	161.5	36.4	53.1	253.6	0.2	R 79.5	584.3	0.0	R 39.6	2.0	2.7	0.2	269.0	R 1,159.5	615.6	R 1,775.0
2015	26.8	R 223.9	154.8	37.6	61.4	R 262.2	0.1	R 84.5	R 600.6	0.0	R 35.7	1.9	2.7	0.2	259.4	R 1,151.1	584.1	R 1,735.2
2016	20.8	215.6	155.0	32.2	68.0	268.6	(s)	78.9	602.8	0.0	33.9	1.9	2.7	0.3	254.4	1,132.3	570.0	1,702.4

[a] Natural gas as it is consumed; includes supplemental gaseous fuels that are commingled with natural gas.

[b] Hydrocarbon gas liquids, include natural gas liquids and refinery olefins.

[c] Through 2004, includes kerosene-type and naphtha-type jet fuel. Beginning in 2005, includes kerosene-type jet fuel only; naphtha-type jet fuel is included in "Other Petroleum."

[d] Beginning in 1993, includes fuel ethanol blended into motor gasoline.

[e] Includes asphalt and road oil, aviation gasoline, kerosene, lubricants, petroleum coke, and the "other petroleum products" category. See Technical Notes, Section 4.

[f] Conventional hydroelectric power. For 1960 through 1989, includes pumped-storage hydroelectricity, which cannot be separately identified.

[g] There is a discontinuity in this time series between 1988 and 1989 due to the expanded coverage of renewable energy sources beginning in 1989.

[h] Wood, wood-derived fuels, and biomass waste. Prior to 2001, includes non-biomass waste.

[i] Losses and co-products from the production of fuel ethanol.

[j] Solar thermal and photovoltaic energy. Includes a small amount of wind energy consumed by commercial and industrial utility-scale facilities.

[k] Beginning in 2009, includes wind energy consumed by the commercial and industrial sectors. For 1981 through 1992, includes fuel ethanol blended into motor gasoline that is not included in the motor gasoline column. Beginning in 1980, adjusted for the double-counting of supplemental gaseous fuels, which are included in both natural gas and the other fossil fuels from which they are mostly derived, but should be counted only once in net energy and total.

[l] Incurred in the generation, transmission, and distribution of electricity plus plant use and unaccounted for electrical system energy losses. Pre-1990 estimates are not comparable to those for later years. See Section 6 of Technical Notes for an explanation of changes in methodology.

– – = Not applicable. NA = Not available.

Where shown, R = Revised data and (s) = Physical unit value less than 0.5 or Btu value less than 0.05.

Notes: Total end-use consumption estimates are the sum of the consumption estimates for the residential, commercial, industrial, and transportation sectors. • Totals may not equal sum of components due to independent rounding. • The continuity of these data series estimates may be affected by changing data sources and estimation methodologies. See the Technical Notes for each type of energy.

Web Page: All data are available at https://www.eia.gov/state/seds/seds-data-complete.php.

Sources: Data sources, estimation procedures, and assumptions are described in the Technical Notes.